

01-11-02

A

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2002US303

Total Pages in this Submission
28

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

Negative Deep Ultraviolet Photoresist

and invented by:

Takanori Kudo, Munirathna Padmanaban, Ralph R. Dammal, Medhat A. Toukhy

U.S. PTO
10/042531
01/09/02

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 14 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☐ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2002US303

Total Pages in this Submission
28

Application Elements (Continued)

3. ☐ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☐ Formal Number of Sheets _____
- b. ☐ Informal Number of Sheets _____
4. ☒ Oath or Declaration
- a. ☒ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (identical to computer copy)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EL034079438US

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
2002US303

Total Pages in this Submission
28

Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. ☐ Additional Enclosures *(please identify below):*

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Applicant(s): **Takanori Kudo et al**

Docket No.

2002US303

Serial No.

NOT ASSIGNED

Filing Date

January 9, 2002

Examiner

NOT ASSIGNED

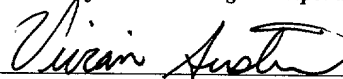
Group Art Unit

NOT ASSIGNEDInvention: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

I hereby certify that the following correspondence:

RECORDATION FORM COVER SHEET*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 9, 2002*(Date)***Vivian Austin***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL034079438US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

20060109 "TE3400"

**TRANSMITTAL LETTER
(General - Patent Pending)**

Docket No.
2002US303

In Re Application Of: **Takanori Kudo et al**

Serial No.
NOT ASSIGNED

Filing Date
January 9, 2002

Examiner
NOT ASSIGNED

Group Art Unit
NOT ASSIGNED

Title: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

- | | |
|---|---|
| 1) Patent Application - pages 1 through 14 | 6) Postcard |
| 2) Combined Declaration and Power of Attorney | 7) Certificate of Mailing by Express Mail for items 1 through 5 |
| 3) Utility Patent Application Transmittal | |
| 4) Recordation Form Cover Sheet | |
| 5) Assignment | |

In the above identified application.

- ☐ No additional fee is required.
- ☐ A check in the amount of _____ is attached.
- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. _____ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.


Signature

Dated: **January 9, 2002**

**Sangya Jain, Reg. No. 38,504
Clariant Corporation
70 Meister Avenue
Somerville, NJ 08876
telephone (908) 429-3563**

I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Takanori Kudo et al

Docket No.

2002US303

Serial No.

NOT ASSIGNED

Filing Date

January 9, 2002

Examiner

NOT ASSIGNED

Group Art Unit

NOT ASSIGNED

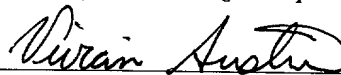
Invention: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

I hereby certify that the following correspondence:

ASSIGNMENT

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 9, 2002*(Date)*Vivian Austin*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL034079438US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Takanori Kudo et al

Docket No.

2002US303

Serial No.

NOT ASSIGNED

Filing Date

January 9, 2002

Examiner

NOT ASSIGNED

Group Art Unit

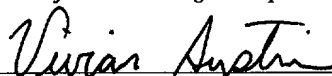
NOT ASSIGNED

Invention: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

I hereby certify that the following correspondence:

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 9, 2002*(Date)*Vivian Austin*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL034079438US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Takanori Kudo et al

Docket No.

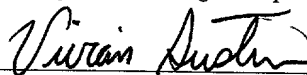
2002US303

Serial No.
NOT ASSIGNEDFiling Date
January 9, 2002Examiner
NOT ASSIGNEDGroup Art Unit
NOT ASSIGNEDInvention: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

I hereby certify that the following correspondence:

PATENT APPLICATION - PAGES 1 THROUGH 14*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 9, 2002*(Date)*Vivian Austin*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL034079438US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Applicant(s): **Takanori Kudo et al**

Docket No.

2002US303

Serial No.

NOT ASSIGNED

Filing Date

January 9, 2002

Examiner

NOT ASSIGNED

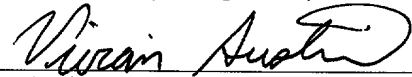
Group Art Unit

NOT ASSIGNEDInvention: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

I hereby certify that the following correspondence:

GENERAL TRANSMITTAL FORM*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 9, 2002*(Date)*Vivian Austin*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL034079438US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

Applicant(s): Takanori Kudo et al

2002US303

Group Art Unit
NOT ASSIGNED

Invention: **NEGATIVE DEEP ULTRAVIOLET PHOTORESIST**

I hereby certify that the following correspondence:

UTILITY PATENT APPLICATION TRANSMITTAL

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 9, 2002

(Date)

Vivian Austin

(Typed or Printed Name of Person Mailing Correspondence)

Vivian Austin

(Signature of Person Mailing Correspondence)

EL034079438US

(*"Express Mail" Mailing Label Number*)

Note: Each paper must have its own certificate of mailing.

LegalStar USPTO Acknowledgment Postcard

For Use With IP LegalForm Electronic Forms

Product #AP001 (Call 800-605-3360 to Reorder)

RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney's Docket No.: 2002US303

Filing Date: JJanuary 9, 2002

Serial No. NOT ASSIGNED

Receipt is hereby acknowledged of:

- 1) General Transmittal Form
- 2) Utility Application Transmittal Form
- 3) Combined Declaration and Power of Attorney Transmittal Form
- 4) Recordation Transmittal Form
- 5) Assignment
- 6) Certificates of Mailing by Express Mail for items 1 through 5

Sent by :Express Mail on January 9, 2002

Express Mail No. EL034079438US

BOX APPLICATION

Assistant Commissioner for Patent

U.S. Patent and Trademark Office

Washington, DC 20231

**Complete Return Address Label And
Affix To Front Of Postcard**